

The iUP-F87/51A Personality Module

The iUP-F87/51A personality module lets the user program EPROM microcontrollers and read the memory contents of ROM microcontrollers. This personality module supports the security bit function on the 8751H microcontroller. The KEYLOCK command locks the 8751H EPROM memory from unauthorized access by setting the security bit (which cannot be unlocked without erasing the device). As a safety precaution, the KEYLOCK command requires user verification before locking the security bit.

The iUP-F87/51A personality module supports the following PROM devices:

8748	8748H	8048	8048H	8749H
8049	8050H	8751	8751H	8051

As shown in Figure 5, the iUP-F87/51A personality module has two sockets for inserting applicable PROM devices: one for the MCS®-48 family of devices and the other for the MCS-51 family of PROM devices. An LED below the socket indicates the correct socket to use based on the PROM device type selected. One of the green

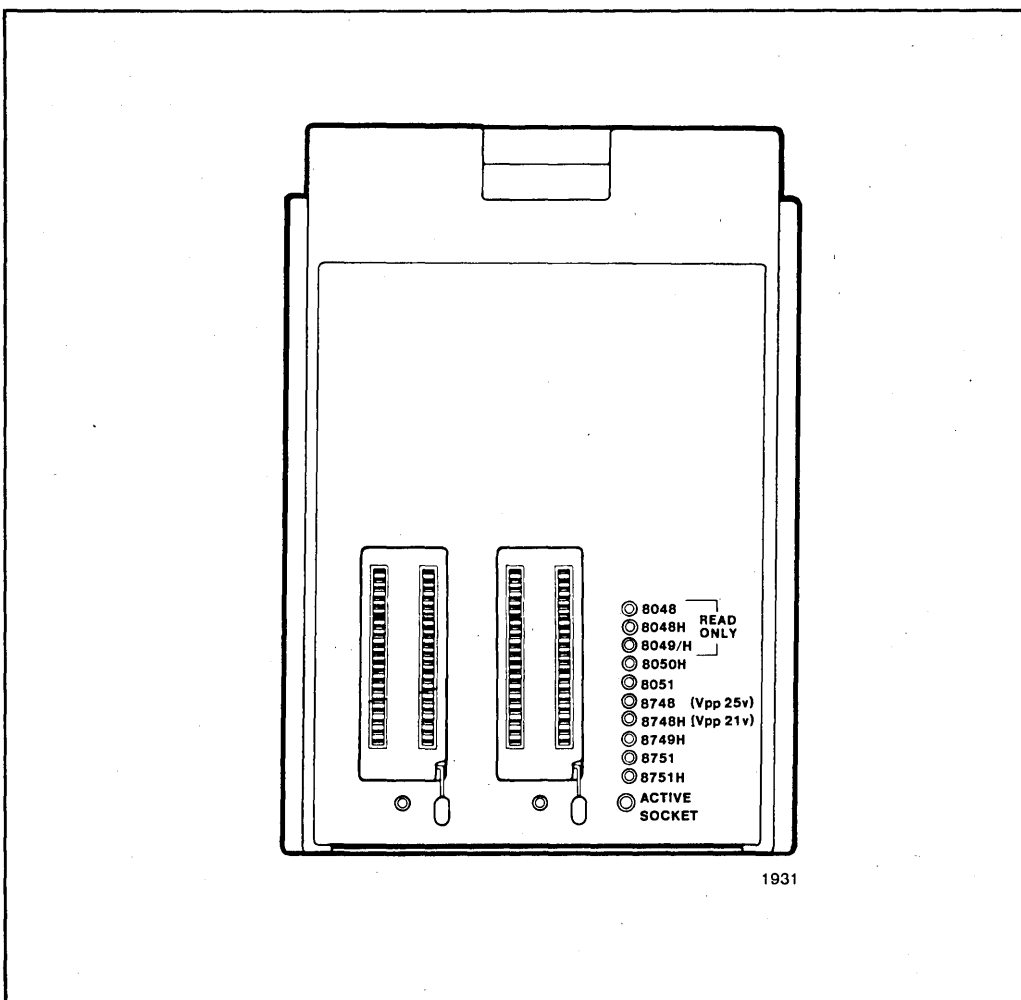


Figure 5. iUP-F87/51A Personality Module

LEDs on the right side of the personality module lights to indicate the PROM type selected. The ACTIVE SOCKET LED lights when power is applied to the PROM device and when the universal programmer/iPDS system is accessing the selected socket.